BRUHATH BENGALORE MAHANAGARA PALIKE DASARAHALLI ZONE

me of Work :Improvements Of UGD Lines In Mallasandra Ward 13 in Shettyhalli Sub
ision

						Est Cost Rs :50 Lakhs		
Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5(Page No.5 , Item No.2.4,PW,P & IWTD SR 2018-19)								
Behind Uchhangi Temple Road		1	50.00	1.00	1.35	67.50		
Uchhangi Temple Road		1	41.00	1.00	1.35	55.35		
Basaveshwara Road		1	58.00	1.00	1.30	75.40		
Park Road		1	58.00	1.00	1.35	78.30		
Ashwath Katte Road		1	60.00	1.00	1.35	81.00		
Adjacent Road To Ashwath Katte Road		1	78.00	1.00	1.35	105.30		
Cross Road From Adjacent Road		1	42.00	1.00	1.35	56.70		
4th C Cross Mallasandra		1	25.00	1.00	1.35	33.75		
Sri Shakti Bhavan Main Road		1	70.00	1.00	1.35	94.50		
Adjacent to Sri Shakti Bhavan Main Road		1	50.00	1.00	1.35	67.50		
Near Sri Shakti Bhavan Road		1	39.00	1.00	1.35	52.65		
Behind Sri Shakti Bhavan Road		1	120.00	1.00	1.35	162.00		
PKS Mustering center Road		1	125.00	1.00	1.30	162.50		
Man hole		48	3.142/4 x 2X 2 X 1.70			256.32		
	cum					**1348.77**	**475.94**	**641933.59**
Stone dust / Grit Page No.II PW,P&IWTD SR 2018-19								
Behind Uchhangi Temple Road		1	50.00	1.00	0.30	15.00		
Uchhangi Temple Road		1	41.00	1.00	0.30	12.30		
Basaveshwara Road		1	58.00	1.00	0.30	17.40		
Park Road		1	58.00	1.00	0.30	17.40		
Ashwath Katte Road		1	60.00	1.00	0.30	18.00		
Adjacent Road To Ashwath Katte Road		1	78.00	1.00	0.30	23.40		
Cross Road From Adjacent Road		1	42.00	1.00	0.30	12.60		
4th C Cross Mallasandra		1	25.00	1.00	0.30	7.50		
Sri Shakti Bhavan Main Road		1	70.00	1.00	0.30	21.00		
Adjacent to Sri Shakti Bhavan Main Road		1	50.00	1.00	0.30	15.00		
Near Sri Shakti Bhavan Road		1	39.00	1.00	0.30	11.70		

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No.	Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
	Behind Sri Shakti Bhavan Road		1	120.00	1.00	0.30	36.00		
	PKS Mustering center Road		1	125.00	1.00	0.30	37.50		
		Cum					244.80	1060.00	259488.00
3	KSRB 12.-1.1 : Providing and laying in position to required level or slope 230mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications.Specification No. KBS 12.2.5/12.7 (Page No.70, Item No. 11.4)PW,P&IWTD SR 2018-19)								
	Behind Uchhangi Temple Road		1	50.00			50.00		
	Uchhangi Temple Road		1	41.00			41.00		
	Basaveshwara Road		1	58.00			58.00		
	Park Road		1	58.00			58.00		
	Ashwath Katte Road		1	60.00			60.00		
	Adjacent Road To Ashwath Katte Road		1	78.00			78.00		
	Cross Road From Adjacent Road		1	42.00			42.00		
	4th C Cross Mallasandra		1	25.00			25.00		
	Sri Shakti Bhavan Main Road		1	70.00			70.00		
	Adjacent to Sri Shakti Bhavan Main Road		1	50.00			50.00		
	Near Sri Shakti Bhavan Road		1	39.00			39.00		
	Behind Sri Shakti Bhavan Road		1	120.00			120.00		
	PKS Mustering center Road		1	125.00			125.00		
		Mtr					816.00	472.76	385772.16
1	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications (Page No.6 Item No. 2.10)PW,P&IWTD SR 2018-19								
	Consider 50% of Qty No.2	Cum					674.39	213.06	143684.47
	KSRB 12-5.3 : Constructing brick masonry circular type manhole 1.22 m internal dia at bottom 1.68 m deep and 0.56m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and down size granite metal and making necessary channel in cement concrete M 15 with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechineries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid seperately) Specification No. KBS 12.4(Page No72, Item.11.39 PW,P&IWTD SR 2018-19								
	Man hole		48				48.00		
		No's					48.00	31077.08	1491700

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lo.	Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
6	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Page No.155, Item No.20.18,PW,P & IWTD SR 2018-19)								
	For cement concrete								
	Behind Uchhangi Temple Road		1	50.00	1.00	0.15	7.50		
	Uchhangi Temple Road		1	41.00	1.00	0.15	6.15		
	Basaveshwara Road		1	58.00	1.00	0.15	8.70		
	Park Road		1	58.00	1.00	0.15	8.70		
	Ashwath Katte Road		1	60.00	1.00	0.15	9.00		
	Adjacent Road To Ashwath Katte Road		1	78.00	1.00	0.15	11.70		
	Cross Road From Adjacent Road		1	42.00	1.00	0.15	6.30		
	4th C Cross Mallasandra		1	25.00	1.00	0.15	3.75		
	Sri Shakti Bhavan Main Road		1	70.00	1.00	0.15	10.50		
	Adjacent to Sri Shakti Bhavan Main Road		1	50.00	1.00	0.15	7.50		
	Near Sri Shakti Bhavan Road		1	39.00	1.00	0.15	5.85		
	Behind Sri Shakti Bhavan Road		1	120.00	1.00	0.15	18.00		
	PKS Mustering center Road		1	125.00	1.00	0.15	18.75		
		cum					**122.40**	**2001.28**	**244956.67**
	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver , compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications.do OPC At 150kg/cum and coarse agggregate 0.86 cum, fine aggregate 0.58cum using concrete batch mix plant at 75cum/hr capacity with fixed form paver (P.No-174,I No-22.1.2)								
	For cement concrete								
	Behind Uchhangi Temple Road		1	50.00	1.00	0.15	7.50		
	Uchhangi Temple Road		1	41.00	1.00	0.15	6.15		
	Basaveshwara Road		1	58.00	1.00	0.15	8.70		
	Park Road		1	58.00	1.00	0.15	8.70		
	Ashwath Katte Road		1	60.00	1.00	0.15	9.00		
	Adjacent Road To Ashwath Katte Road		1	78.00	1.00	0.15	11.70		
	Cross Road From Adjacent Road		1	42.00	1.00	0.15	6.30		
	4th C Cross Mallasandra		1	25.00	1.00	0.15	3.75		
	Sri Shakti Bhavan Main Road		1	70.00	1.00	0.15	10.50		

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Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
Adjacent to Sri Shakti Bhavan Main Road		1	50.00	1.00	0.15	7.50		
Near Sri Shakti Bhavan Road		1	39.00	1.00	0.15	5.85		
Behind Sri Shakti Bhavan Road		1	120.00	1.00	0.15	18.00		
PKS Mustering center Road		1	125.00	1.00	0.15	18.75		
	cum					122.40	3884.90	475511.76

Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) (Page No. 175.tem No.22.6.1,PW,P & IWTD SR 2018-19)

For cement concrete								
Behind Uchhangi Temple Road		1	50.00	1.00	0.15	7.50		
Uchhangi Temple Road		1	41.00	1.00	0.15	6.15		
Basaveshwara Road		1	58.00	1.00	0.15	8.70		
Park Road		1	58.00	1.00	0.15	8.70		
Ashwath Katte Road		1	60.00	1.00	0.15	9.00		
Adjacent Road To Ashwath Katte Road		1	78.00	1.00	0.15	11.70		
Cross Road From Adjacent Road		1	42.00	1.00	0.15	6.30		
4th C Cross Mallasandra		1	25.00	1.00	0.15	3.75		
Sri Shakti Bhavan Main Road		1	70.00	1.00	0.15	10.50		
Adjacent to Sri Shakti Bhavan Main Road		1	50.00	1.00	0.15	7.50		
Near Sri Shakti Bhavan Road		1	39.00	1.00	0.10	3.90		
Behind Sri Shakti Bhavan Road		1	120.00	1.00	0.15	18.00		
PKS Mustering center Road		1	125.00	1.00	0.15	18.75		
	cum					120.45	5210.96	627660.13
						Total construction cost		4270706.63
						GST Charges 12%		512484.80
						Sub Total		4783191.42
						KIRDL Charges 4.5%		215243.61

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No.	Description of work	Unit	No.	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
	Miscellaneous and other unforseen charges								463.83
	Total								5000000.00
	(Rupees Fifty Lakhs Only)								

CERTIFICATE

1) Certified that I have inspected the spot & Prepared the Estimate according to the necessity & site conditions.
2) Certified that the work is not split up.
3) Certified that the estimate is prepared on the basis of CSR of PW,P & IWTD, Bangalore Circle, Bangalore for the year ~~2015-16~~ 2018-19
4) Certified that Adequate & necessary provisions have been made in the estimate.
5) Certified that the above area comes under BBMP limits..

Asst. Engineer
Ward No-13

Asst. Executive Engineer
Shettyhalli Sub Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. CE/DD/AS/21/18-19 ದಿನಾಂಕ : 24/11/18
ರೂ. Rs. 50 00 Lakh (Fifty Lakh only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ.CE/DZ/TS/35/18-19 ದಿನಾಂಕ : 15/12/2018
ರೂ. Rs. 50.00 lakhs only
(Rs. Fifty lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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